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Notice of Allowability	Application No.	Applicant(s)	
	10/707,963	ANAND ET AL.	
	Examiner	Art Unit	
	Scott Bauer	2836	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment of 01/13/2006.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Drawings

1. The drawings were received on 1/13/2006. These drawings are accepted.

Response to Arguments

2. Applicant's arguments, see the amendment, filed 01/13/2006, with respect to Claims 1, 11, 12, 14-20 have been fully considered and are persuasive. The objection of Claims 12, & 14-17, and the rejection of Claims 1-11, 13 & 18-20 have been withdrawn.

Reasons for Allowance

3. Claims 1-20 are allowed.
4. The following is an examiner's statement of reasons for allowance:
5. Claim 1 is allowable because the prior art of record does not teach or fairly suggest a latch device having a variable resistive trip point, comprising: an adjustable trip point current reference; and a trip point control element, said trip point control element being operable to control the amount of current passing through a latch circuit

based on the adjustable trip point current reference that is compensated by a latch mimic circuit.

6. Although Ingalls (US 5,978,297) teaches a method of varying the current passing through the fuse latch by switching transistors on and off, the amount of current flowing through the fuse is not based on an adjustable trip point current reference that is compensated by a latch mimic circuit. Although Frary et al. (US 5,289,412) teaches the method of generating a reference voltage or current by using a reference cell that exactly matches the memory cell, the mimic circuit is not a latch mimic circuit and further does not teach an adjustable trip point current reference compensated by the mimic circuit.

7. Claims 2-10 & 13 are allowable as they depend from Claim 1, which is now in condition for allowance.

8. Claim 15 is allowable because the claim was rewritten in independent form to include all the limitations of the base claim as discussed in the office action dated 10/13/2005.

9. Claims 11, 12, 14, 16 & 17 are now allowable as they depend from Claim 15, which is now in condition for allowance.

10. Claim 18 is allowable because the prior art of record does not teach or fairly suggest a latch device having a variable resistive trip point comprising; a compensated current source adapted to adjust for variation of a trip point voltage of the fuse latch caused by variations in manufacturing process and operating temperature and voltage; and a voltage mimic circuit and operational amplifier coupled to the fuse latch to adjust the fuse latch trip point voltage.

11. Claim 19 is allowable because the prior art of record does not teach or fairly suggest a method to control a variable resistive trip point fuse latch having a plurality of fuse elements with differing states comprising compensating the trip point current reference based on a mimic circuit.

12. With regard to Claims 18 & 19, Applicant's arguments dated 1/13/2006 are sufficient to explain how the prior art made of record does not teach the limitations stated above.

13. Claim 20 is allowable as it depends from Claim 19, which is also allowable.

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Bauer whose telephone number is 571-272-5986. The examiner can normally be reached on M-F 8am-5pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on 571-272-2058. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SAB
01/30/2006



PHUONG T. VU
PRIMARY EXAMINER

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